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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

Application Number : 09/868,678

Filing Date: 02/08/1999

First Named Inventor: O'Connor

Group Art Unit: n/a

Examiner Name: n/a

Attorney Docket Number: 05222.00155

(Use as many sheets as necessary)

Sheet \_\_\_\_\_ of \_\_\_\_\_

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
<i>ayel</i>		US-4,622,013	11/11/1986	Cherchio	
<i>ayel</i>		US- 4,874,784	10/17/1989	Clancey	
<i>ayel</i>		US- 4,981,766	01/02/1990	Derr, et al.	
<i>ayel</i>		US- 4,931,950	06/05/1990	Isle, et al.	
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<i>ayel</i>		US- 4,977,529	12/11/1990	Gregg, et al.	
<i>ayel</i>		US- 5,002,491	03/26/1991	Abrahamson, et al.	
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<i>ayel</i>		US- 5,259,766	11/09/1993	Sack et al.	
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Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>3</sup>
		Country Code <sup>4</sup> - Number <sup>5</sup> - Kind Code <sup>6</sup> (if known)				
<i>ayel</i>		EP 0 689 132 A2	12/27/95	Laffra		
<i>ayel</i>		EP 0 710 942 A2	05/08/96	Siefert		
<i>ayel</i>		EP 0 710 942 A2	05/08/96	Siefert		
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<i>ayel</i>		WO 98/03953	01/29/98	Simmons		
<i>ayel</i>		WO 98/25251	06/11/98	Ho		
<i>ayel</i>		WO 98/32109	07/23/98	De Lange		

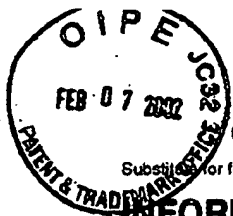
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Examiner Name: n/a

Attorney Docket Number: 05222.00155

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**OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS**

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ayyl		"Evaluating the effectiveness of feedback in SQL-tutor", IEEE, proc. Int. workshop IWALT, pp 143-144	
ayyl		"Automated Exercise Progression in Simulation-Based Training," IEEE Trans. On Systems, Man, and Cybernetics, Vol. 24(6), pp. 863-74, June 1994	
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ayyl		"The Virtual Learning Environment System," 28th Annual Frontiers in Education Conference, Conference Proceedings, Vol. 2, Nov. 4-7, 1998	
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ayyl		"CAPTOR a model for delivering web based intelligent tutoring system technology", IEEE Proc. DASC vol. 2, pp 5.C.4.1-5	

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ayyl Sharov

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**First Named Inventor:** O'Connor

**Group Art Unit: n/a**

**Examiner Name:** n/a

Attorney Docket Number: 05222.00155

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<i>April</i>		US-5,395,243	03/07/1995	Lutbin, et al.	
<i>April</i>		US- 5,441,415	08/15/1995	Lee, et al.	
<i>April</i>		US- 5,491,743	02/13/1996	Shilo, et al.	
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<i>April</i>		US- 5,673,369	09/30/1997	Kim	
<i>April</i>		US- 5,690,496	11/25/1997	Kennedy	
<i>April</i>		US- 5,698,885	12/09/1997	Hekmatpour	
<i>April</i>		US- 5,701,400	12/23/1997	Amado	
<i>April</i>		US- 5,720,007	02/17/1998	Hekmatpour	
<i>April</i>		US- 5,727,161	03/10/1998	Purcell, Jr.	

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Examiner Signature	<i>Aysel Shanon</i>	Date Considered	5/13/05
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<i>ayel</i>		"Bridging the Virtual and the Physical: The InterSim as a Collaborative Support Interface," Proc. Of 1997 World Conf. On Artificial Intelligence in Education, pp. 556-58, Dec. 1997	
<i>ayel</i>		"Task-Oriented Learning on the Web"; Innovations in Education and Training International, Vol. 36, No. 1, Feb. 1999	
<i>ayel</i>		"Applications of BrainMaker Neural Network to stocks, business, medical, manufacturing" at <a href="http://www.calsci.com/Applications.html">www.calsci.com/Applications.html</a>	
<i>ayel</i>		"KBLPS Overview" at <a href="http://www.cgi.com/CGIWEB/KBLPS/overindex4.html">www.cgi.com/CGIWEB/KBLPS/overindex4.html</a>	
<i>ayel</i>		"Smartlaw: adapting classic expert system techniques for the legal research domain", ACM pp 138-141	
<i>ayel</i>		"Interactive Multimedia Instructs the Individual," Oct. 1994, Occupational Health & Safety Vol. 63, No. 10, pp. 144-145	
<i>ayel</i>		"Practical methods for automatically generating typed links", ACM Hypertext, pp 31-41	
<i>ayel</i>		"Popular Theory Supporting the Use of Computer Simulation for Experiential Learning," <a href="http://www.centurionsys.com/tcl57.html">http://www.centurionsys.com/tcl57.html</a> , Aug. 1997	
<i>ayel</i>		"Technical Report: Computer Aided Education and Training Initiative" at <a href="http://advlearn.lrdc.pitt.edu/advlearn/papers/FINALREP.html">http://advlearn.lrdc.pitt.edu/advlearn/papers/FINALREP.html</a>	
<i>ayel</i>		"FRA: Teaching Financial Accounting with a Goal-Based Scenario," Intelligent Systems in Accounting, Finance and Management, Vol. 4, 1995	
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**Group Art Unit: n/a**

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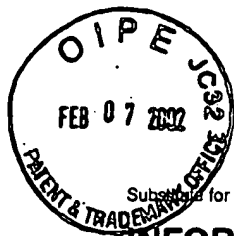
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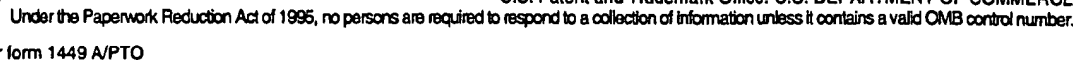
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ayyl		"Artificial Intelligence and Mathematics Education" at <a href="http://www.rand.org/hol/mcarthur/Papers/aied.html">http://www.rand.org/hol/mcarthur/Papers/aied.html</a>	
ayyl		"The Roles of Artificial Intelligence in Education: Current Progress and Future Prospects" at <a href="http://www.nib.unicamp.br/recursos...education/intelligent-tutoring.html">http://www.nib.unicamp.br/recursos...education/intelligent-tutoring.html</a>	
ayyl		"WITS: A Reusable Architecture for a VR-Based ITS" at <a href="http://advlearn.lrdc.pitt.edu/its-arch/papers/tam.html">http://advlearn.lrdc.pitt.edu/its-arch/papers/tam.html</a>	
ayyl		"Brainmaker" at <a href="http://www.nplec.on.ca/~echoscan/28-04.htm">www.nplec.on.ca/~echoscan/28-04.htm</a>	
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<del>ayyl</del>			
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ayyl		"Development of an Integrated Simulator and Real Time Plant Information System," Advances in Operational Safety of Nuclear Power Plants, Proceedings of an International Symposium 1996.	

Examiner Signature	ayyl sharon	Date Considered	5/13/05
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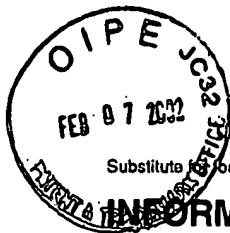
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ayel		"A Goal-Centered Architecture for Intelligent Tutoring Systems," Proc. Of 7th World Conf. On Artificial Intelligence In Education, pp. 307-314, Aug. 1995	
ayel		"Smart Avatars in JackMOO," Proceedings of the 1999 IEEE Conference on Virtual Reality, pp. 156-63	
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ayel		"Persistent Issues in the Application of Virtual Environment Systems to Training," August 1996, Proceedings. Third Annual Symposium on Human Interaction with Complex Systems, IEEE, pp. 124-32.	
ayel		"The Lisp Tutor," Byte, pp. 159-75, Apr. 1985	
ayel		"Pedagogical, natural language and knowledge engineering techniques in SOPHIE I, II, and III," in Intelligent Tutoring Systems, D. Sleeman & J.S. Brown eds., pp. 227-82, Dec. 1982	
ayel		Interactive Multimedia Distance Learning (IMDL): The Prototype of the Virtual Classroom, 1994.	
<del>ayel</del>			
ayel		"Understanding Organizational Dynamics of IT-Enabled Change: A Multipedia Simulation Approach," Winter 1997/1998, Journal of Mangement Information Systems: JMIS, Vol. 14, No. 3, pp. 109-140.	
ayel		"Intelligent Computer-Aided Instruction: A Survey Organized Around System Components," Jan. 1989, IEEE Inc., New York, Vol. 49, No. 1, pp. 40-57.	

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Examiner Signature	<i>Aysel Shwara</i>	Date Considered	5/13/05
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<sup>3</sup> Enter Office that Issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number : 09/868,678

Filing Date: 02/08/1999

First Named Inventor: O'Connor

Group Art Unit: n/a

Examiner Name: n/a

Attorney Docket Number: 05222.00155

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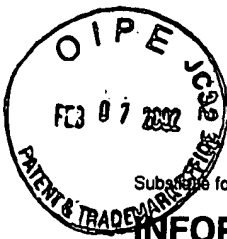
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ayel		"Conducting and Supporting a Goal-Based Scenario Learning Environment," Educational Technology, Nov.-Dec. 1994	
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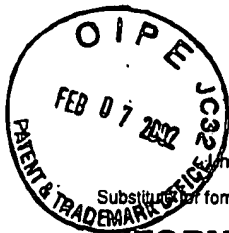
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ayel		"No More Boring CPE," July 1997, Accounting Technology, pp. 27-35	
ayel		Computer Dictionary, 1997, pp. 264, 276, 383, 446, 462, 507.	
ayel		"Rule-Based Programming with OPS5" at <a href="http://www.mkp.com/books_catalog/O-934613-51-8.asp">www.mkp.com/books_catalog/O-934613-51-8.asp</a>	
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Examiner Name: n/a

Attorney Docket Number: 05222.00155

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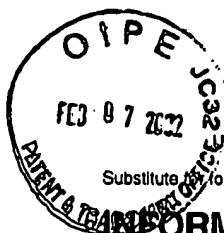
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Ayul		"Engines for Education" URL: <a href="http://www.its.nyu.edu/~e_for_e/nodes/I-M-INTRO-ZOOMER-pg.html">http://www.its.nyu.edu/~e_for_e/nodes/I-M-INTRO-ZOOMER-pg.html</a> ; viewed Feb. 15, 1999.	
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Ayul		"Authoring Intelligent Tutoring Systems: An Analysis of the State of the Art" at <a href="http://www.cs.umass.edu/~lmurray/papers/ATSummary/AuthTools.html">http://www.cs.umass.edu/~lmurray/papers/ATSummary/AuthTools.html</a>	
Ayul		Multimedia Training "Get Lemonade, Not a Lemon!" June 1997, Journal for Quality and Participation vol. 20, No. 3, pp. 22-26	
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Ayul		"Decision Pro3.0" at <a href="http://www.vanguardsw.com/">www.vanguardsw.com/</a>	

Examiner Signature	Ayul Sharov	Date Considered	5/13/05
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Attorney Docket Number: 05222.00155

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Ayyl		"A Fuzzy Logic-Based Intelligent Tutoring System," Information Processing 92, Vol. II, pp. 66-72, Dec. 1992.	
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Ayyl		"TurboTax Deluxe Product Information" at <a href="http://www.intuit.com/turbotax/prodinfo/ttdlx.html">http://www.intuit.com/turbotax/prodinfo/ttdlx.html</a>	
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Examiner Signature	Ayyl Sharver	Date Considered	5/13/05
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Group Art Unit: n/a

Examiner Name: n/a

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Apel		"Eight Goal-Based Scenario Tools", Technical Report # 67, Northwestern University, The Institute for the Learning Sciences, January 1996, pp. 1-37	
Apel		"A Role for AI in Education: Using Technology to Reshape Education", Northwestern University, The Institute for the Learning Sciences, Journal of Artificial Intelligence in Education, Winter 1990, January 1990, pp. 1-24 and 2 pgs. of references	
Apel		"The Design of Goal-Based Scenarios", Technical Report # 39, Northwestern University, The Institute for the Learning Sciences, March 1993, pp. 1-58	

Examiner Signature	Apel Sharon	Date Considered	5/13/05
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